

FRONT PAGE VIEW

TRUCK ALIGNMENT SYSTEM

Henry Rohrig

818-761-3628

818-489-2049

For: 22.5" / 24.5" Wheel Size Truck – Buses and Trailers

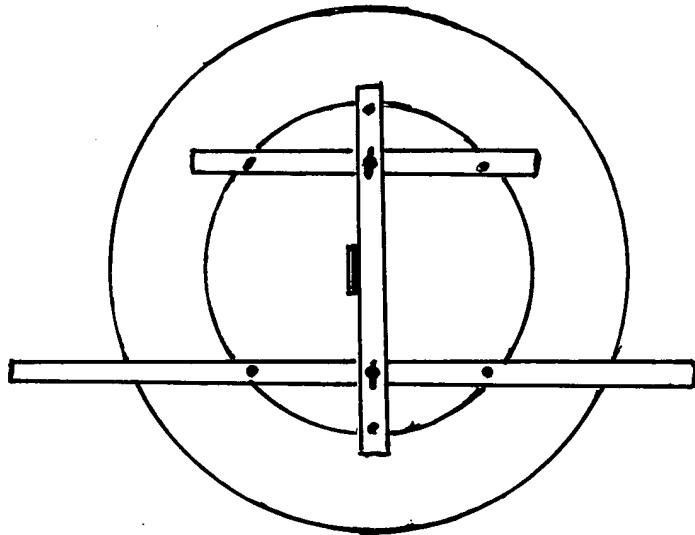
P.O. Box 2159 Toluca Lake, Ca. 91610

Application # 10/607,019

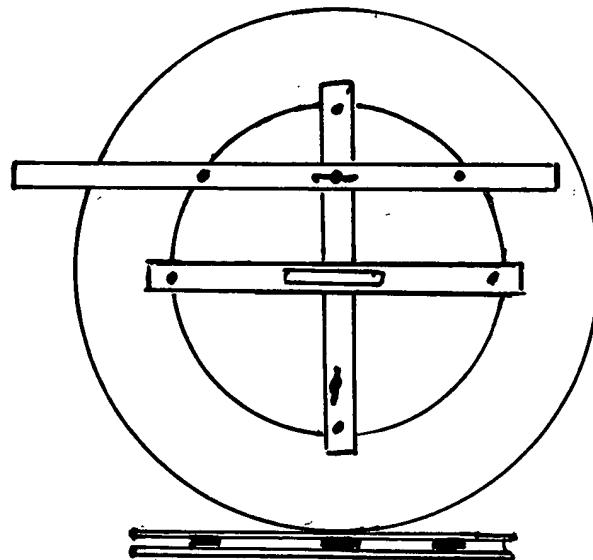
Confirmation # 8161

Patent #

Filing date: 06/25/2003



ALIGNMENT UNIT INSTALLED ON STEERING AXLE

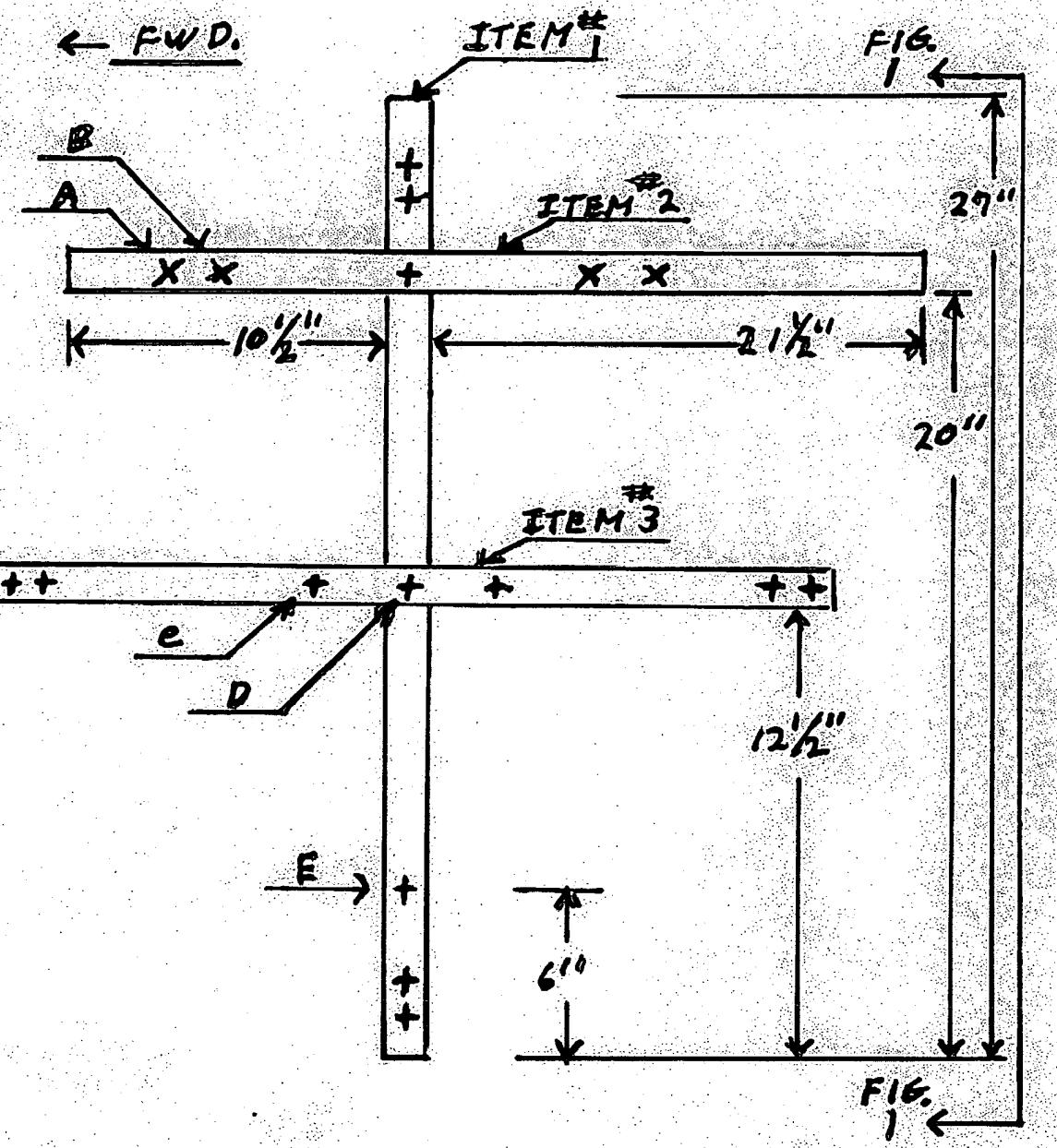


ALIGNMENT UNIT INSTALLED ON DRIVE AXLE
RESTING ON ROLLER PLATES



Sheet # 1 of 14

Henry Rohrig Truck Alignment System 818-761-3628 818-489-2049

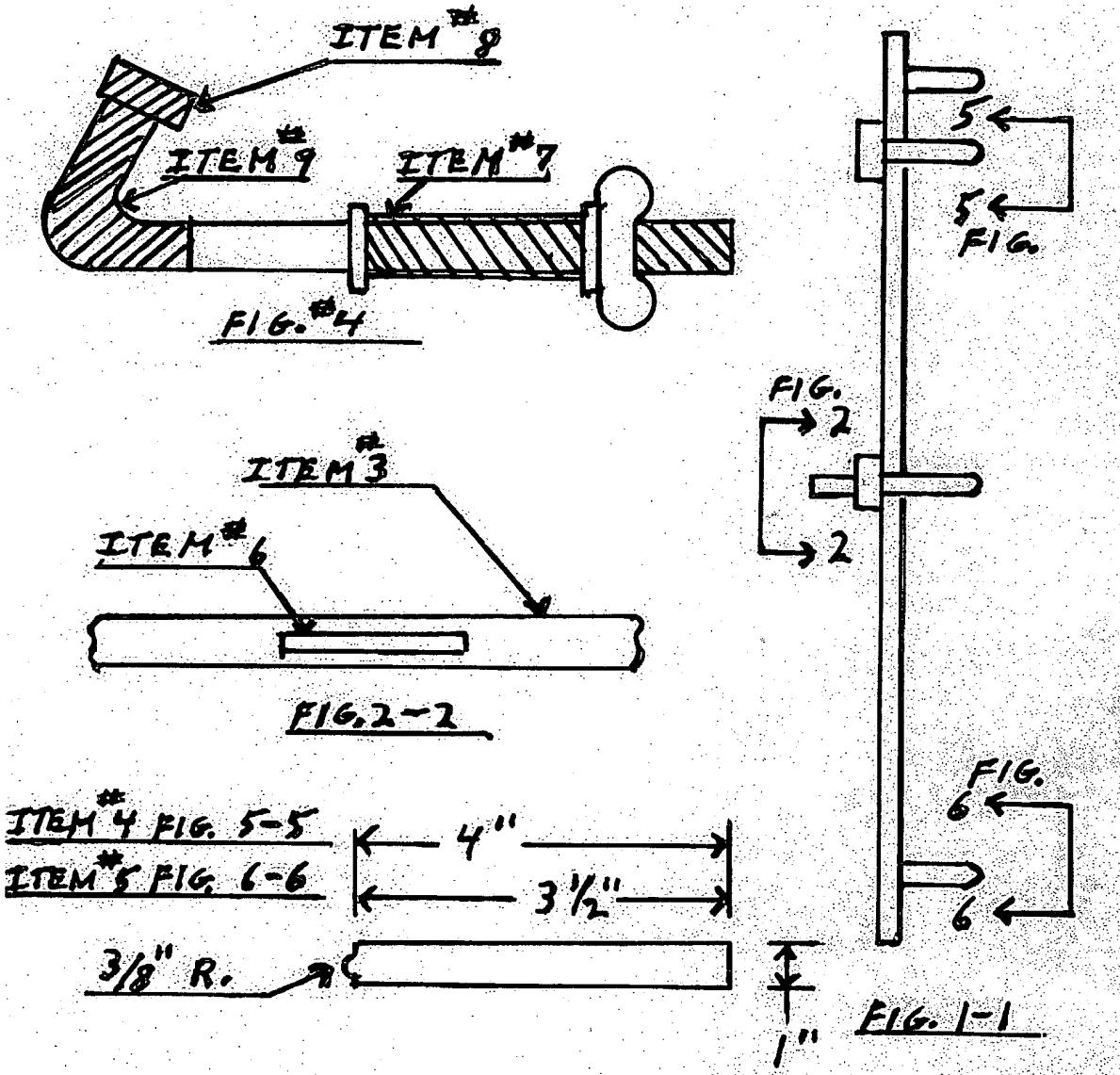


Drawing # 101 Drive axle unit

Part # 857 Driver Side Shown

Part # 856 Passenger Side Opposite

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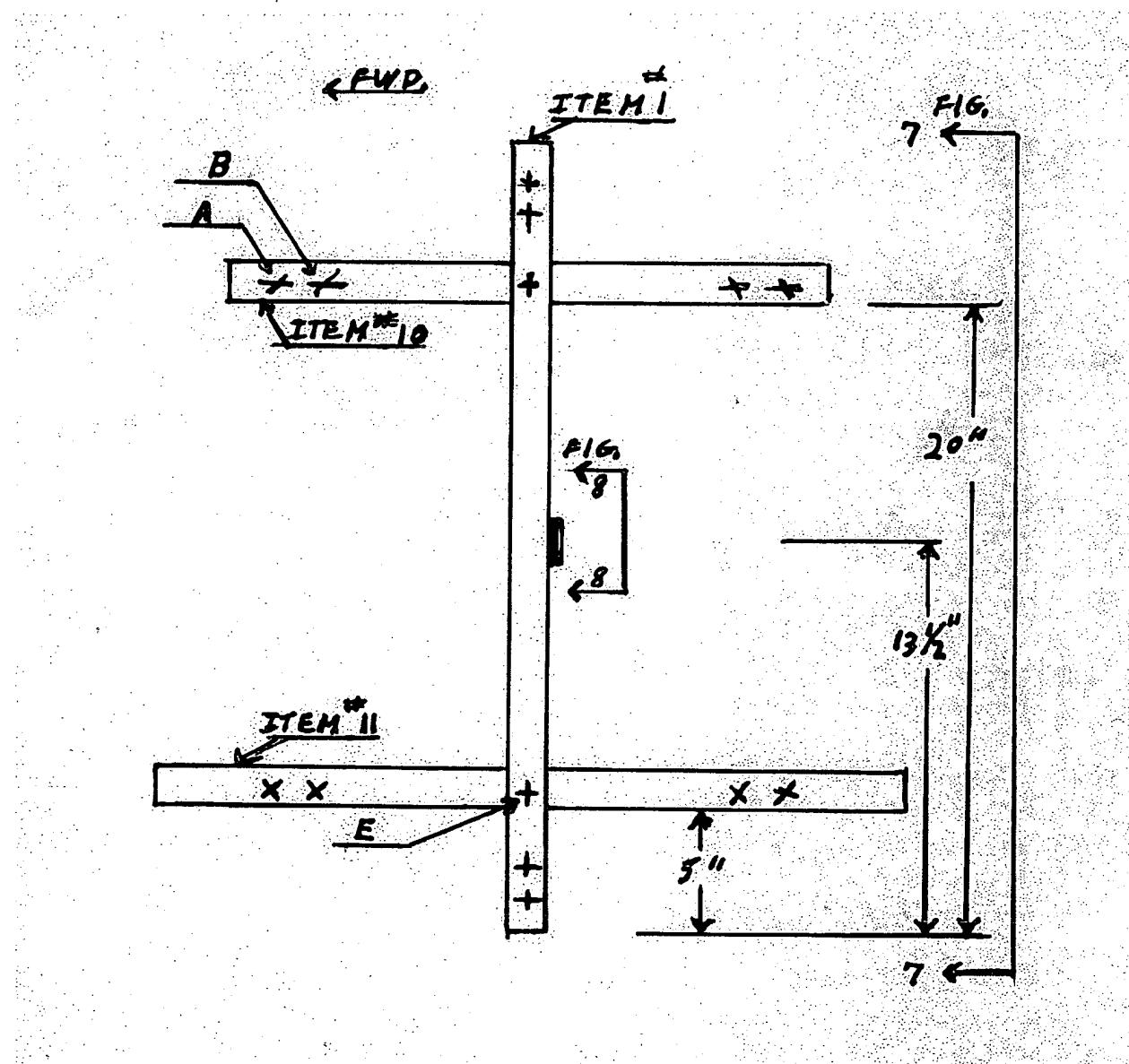


Drawing # 102 Drive Axle Unit Part # 857 / Part # 856

Figure 1-1 Rotated 90 Degrees

Henry Rohrig **Truck Alignment System** **818-761-3628** **818-489-2049** **Part # 858 / Part # 859**

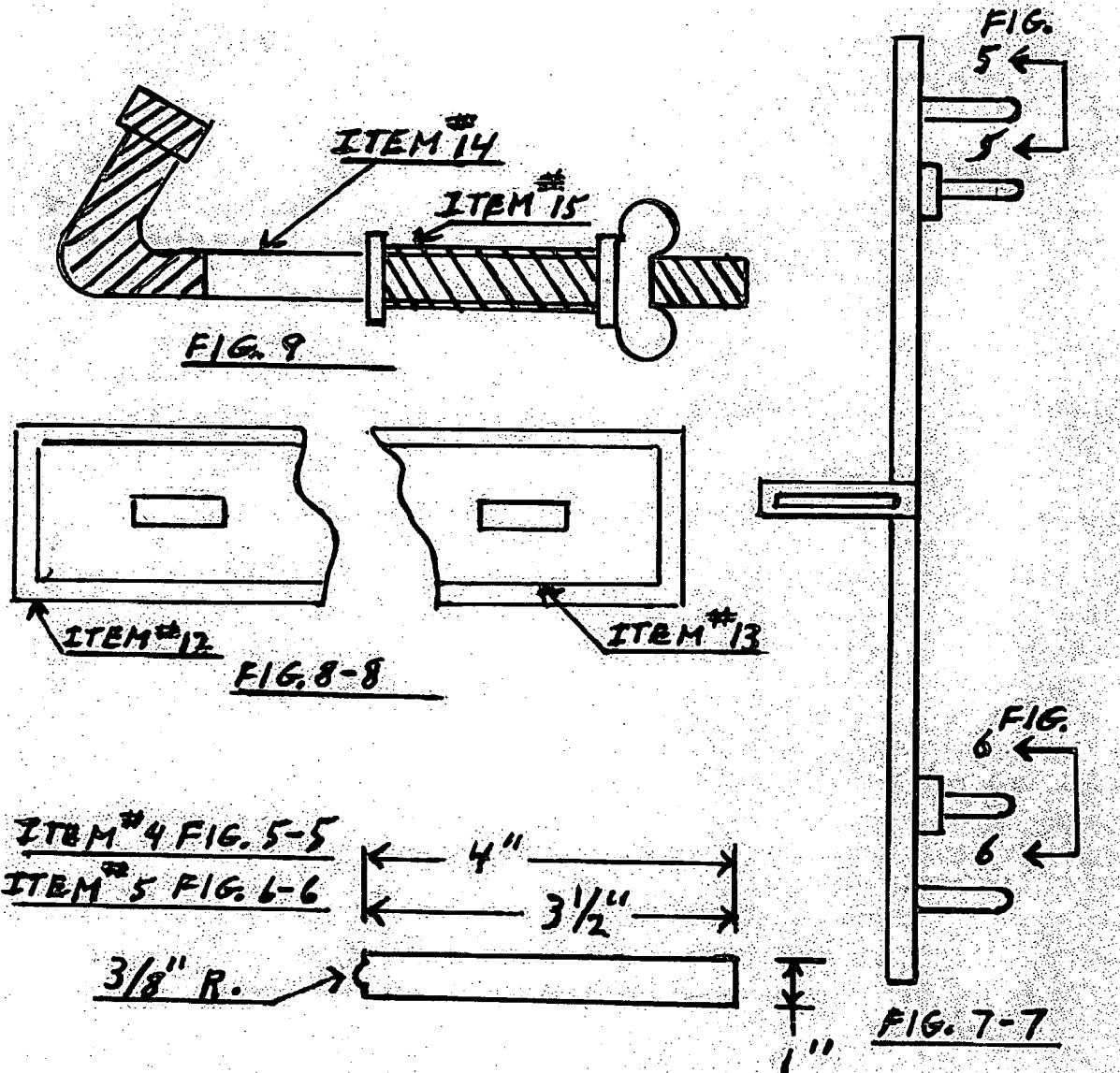
Steering Unit for 22.5" / 24.5" wheel size also used on Busses



Drawing # 103 Steering Axle Unit

Part # 859 Driver side shown

Part # 858. Passenger side opposite

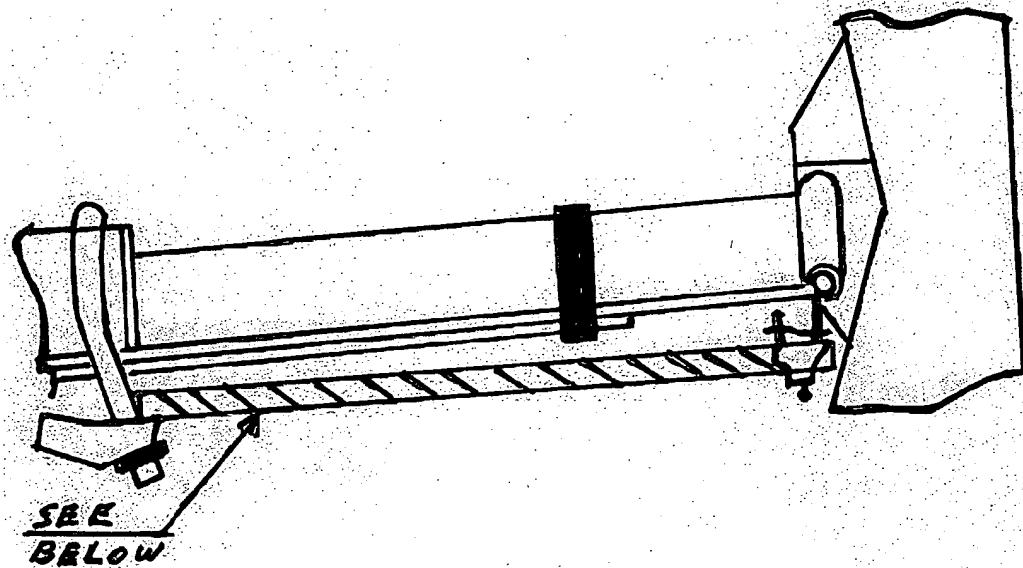


Drawing # 104 Steering Axle Unit

Figure 7-7 Rotated 90 degrees

Sheet # 5 of # 14

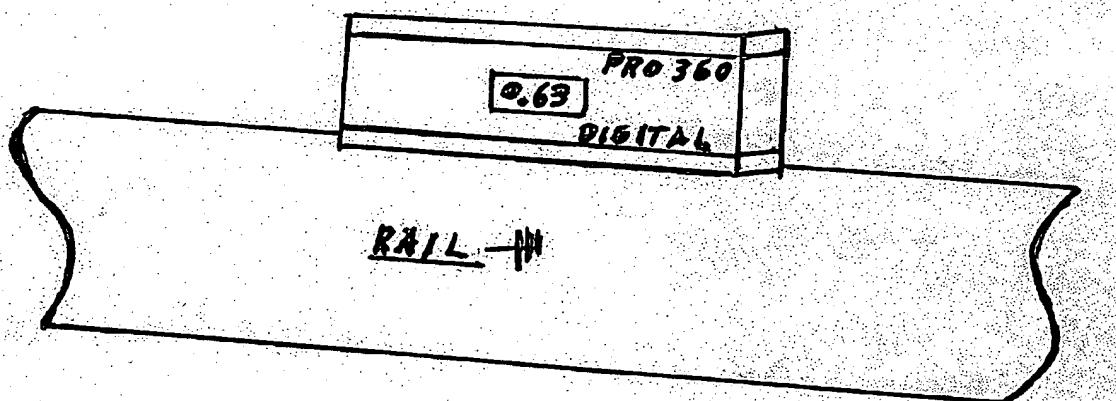
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Drawing # 105 CHECKING SPRING BUSHING TO "U" BOLT



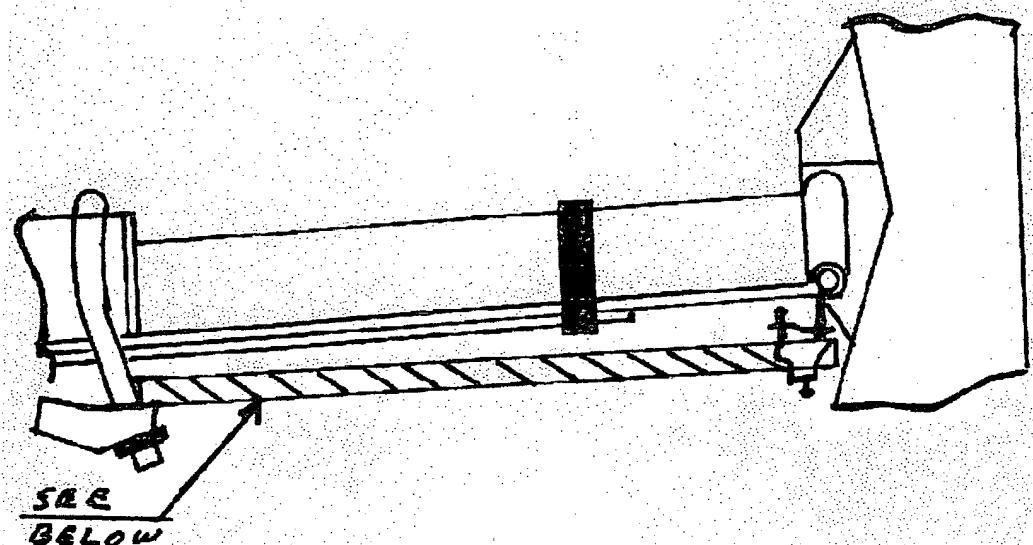
Drawing # 106
TRAMMEL BARS USED FOR THE ALIGNMENT



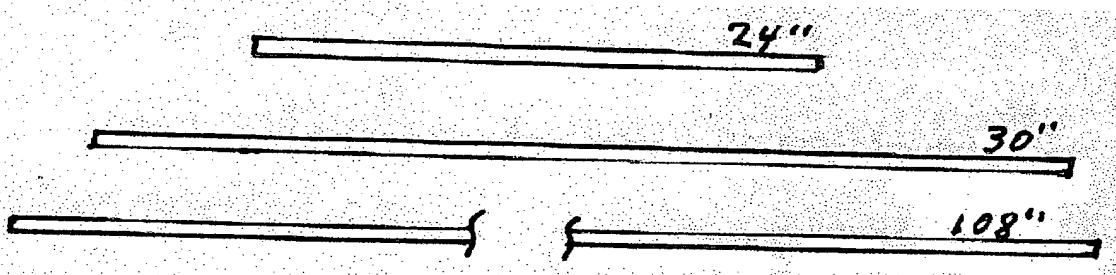
Drawing # 107 CHECKING ANGLE OF FRAME RAIL

Sheet # 5 of # 14

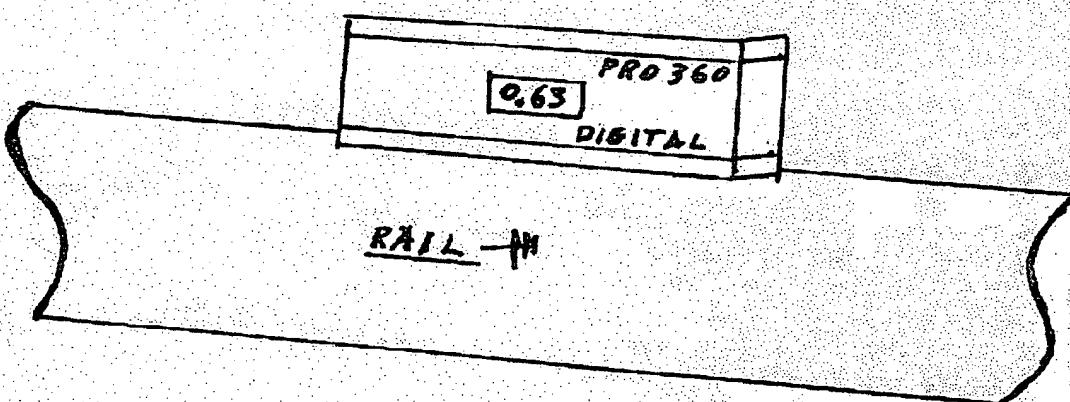
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Drawing # 105 CHECKING SPRING BUSHING TO "U" BOLT



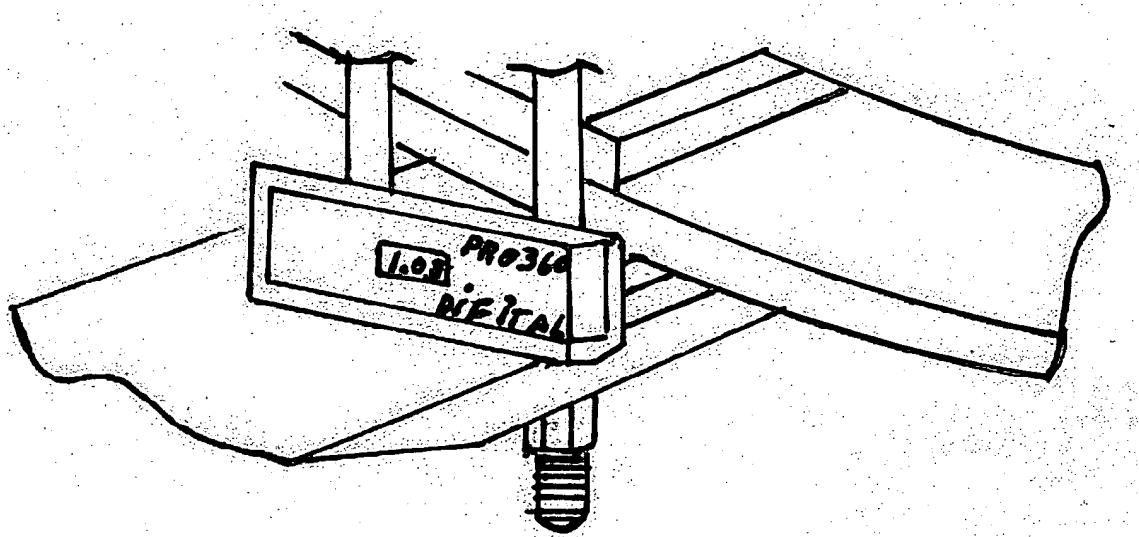
Drawing # 106
TRAMMEL BARS USED FOR THE ALIGNMENT



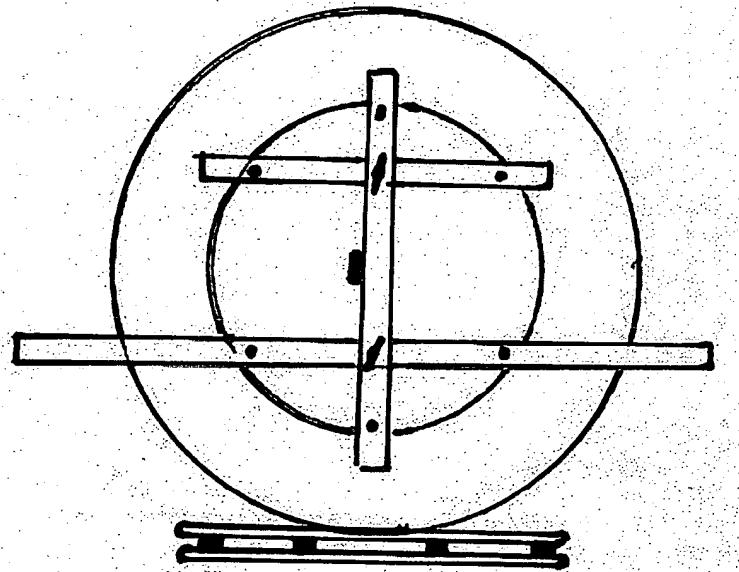
Drawing # 107 CHECKING ANGLE OF FRAME RAIL

Sheet # 6 of # 14

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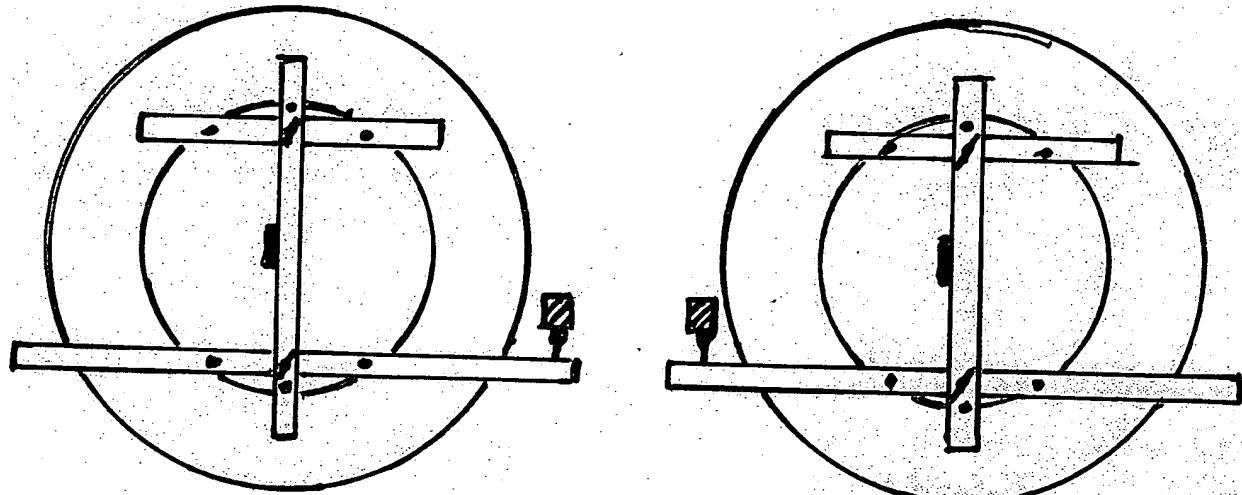


Drawing # 108 CHECKING ANGLE ON AXLE SPRING PAD



Drawing # 109 STEERING AXLE ON ROLLER PLATES WITH ALIGNMENT UNIT

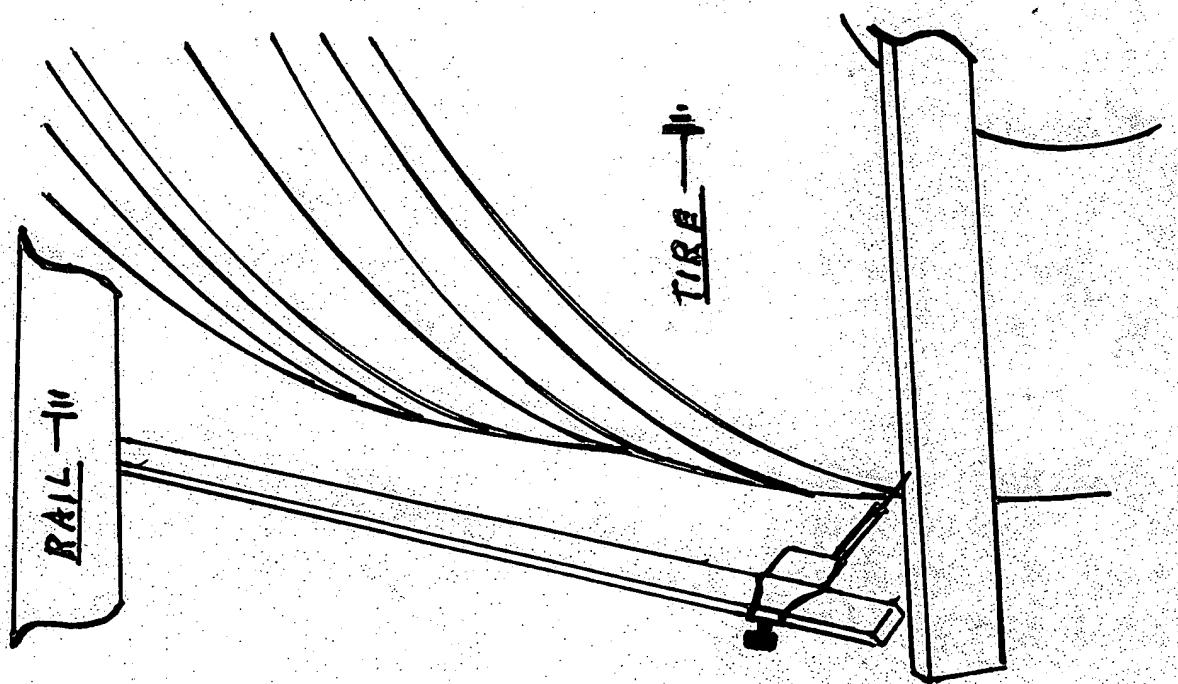
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Drawing # 110 TOE-IN VIEW
IN FRONT OF WHEELS

STEERING AXLE

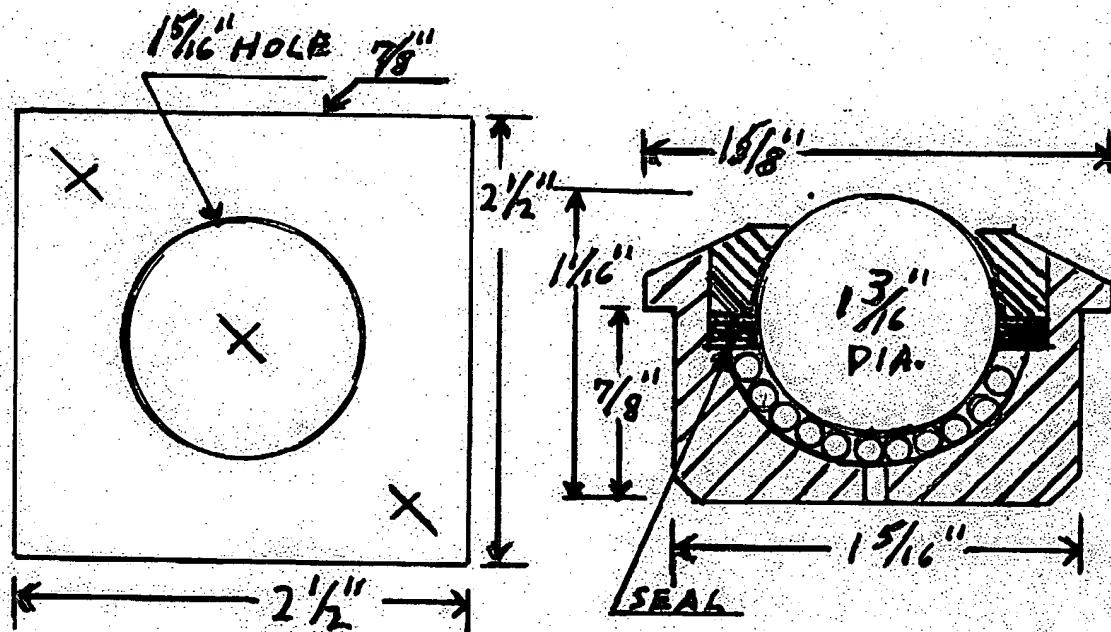
Drawing # 111 TOE-IN VIEW
IN BACK OF WHEELS



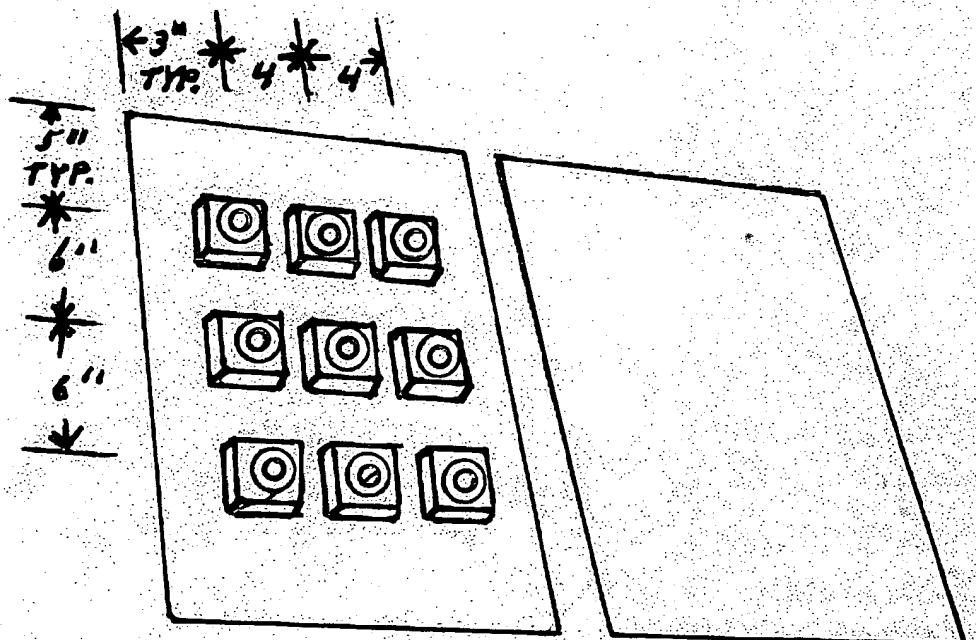
Drawing # 112 REAR DRIVE UNIT TO OUTSIDE OF RAIL MEASUREMENT

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Roller plates two units top and bottom plates part # 863



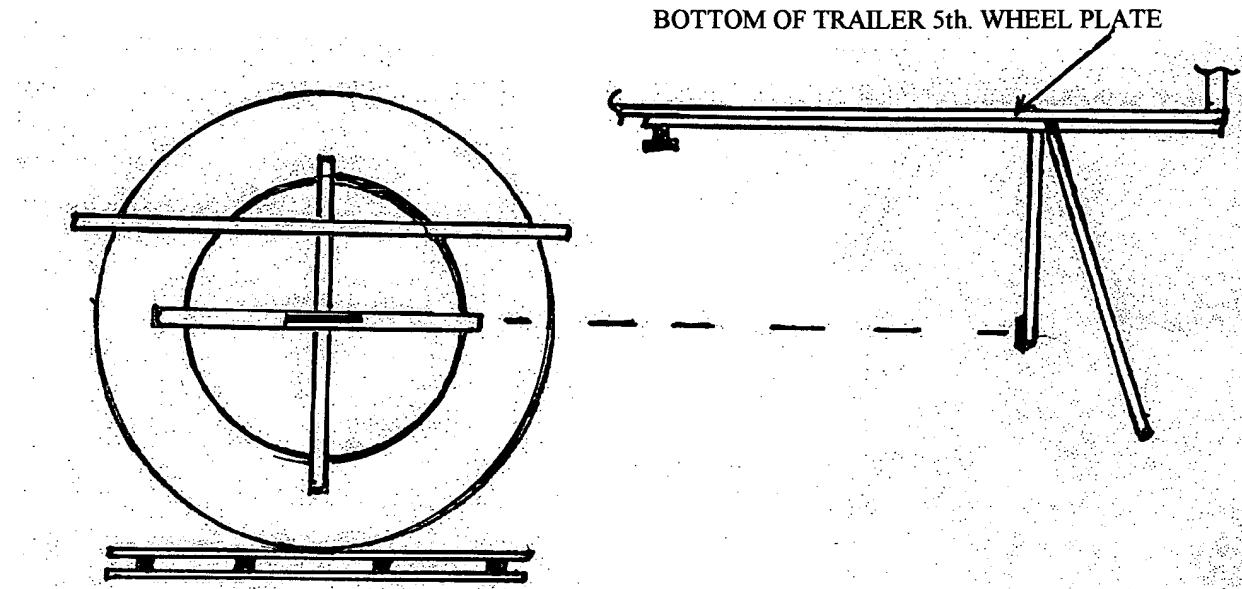
Drawing # 115
BALL TRANSFER UNIT



Drawing # 114 ROLLER PLATE ASSEMBLY PART # 863

Sheet # 9 of # 14

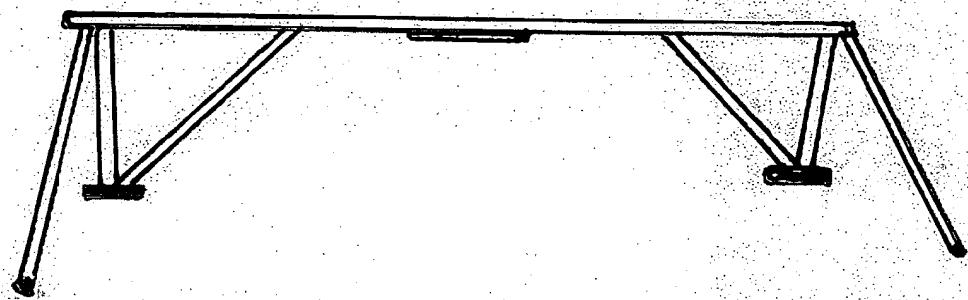
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Drawing # 116

REAR TRAILER AXLE WITH
ALIGNMENT UNIT ON ROLLER PLATES

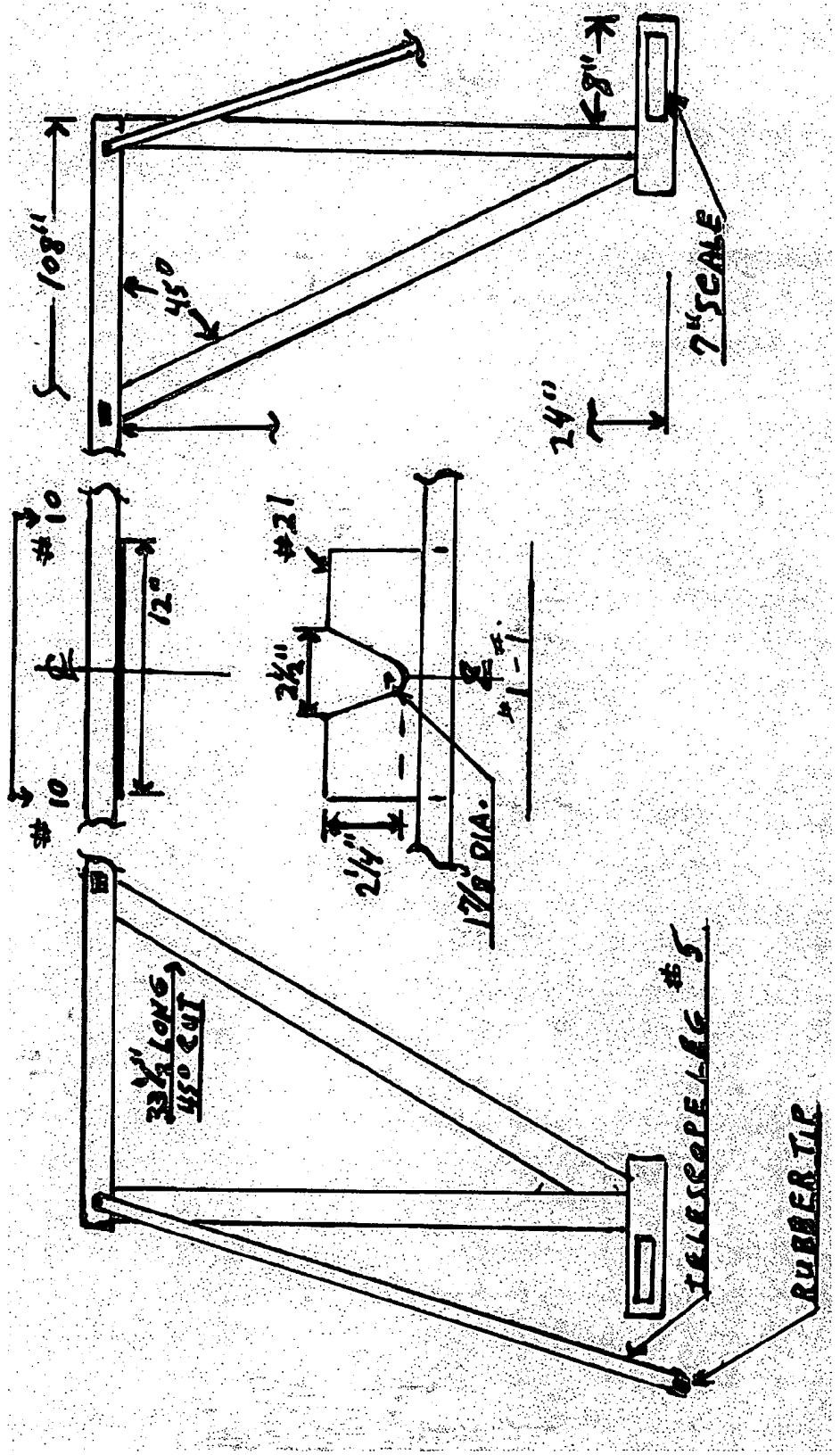
KING PIN ALIGNMENT UNIT IN PLACE



Drawing # 117 Part # 860
KING PIN TRAILER ALIGNMENT UNIT
Details see drawing # 118 and # 119

Henry Rohrig Truck Alignment System Trailer Unit Part # 860

Sheet # 10 of # 14

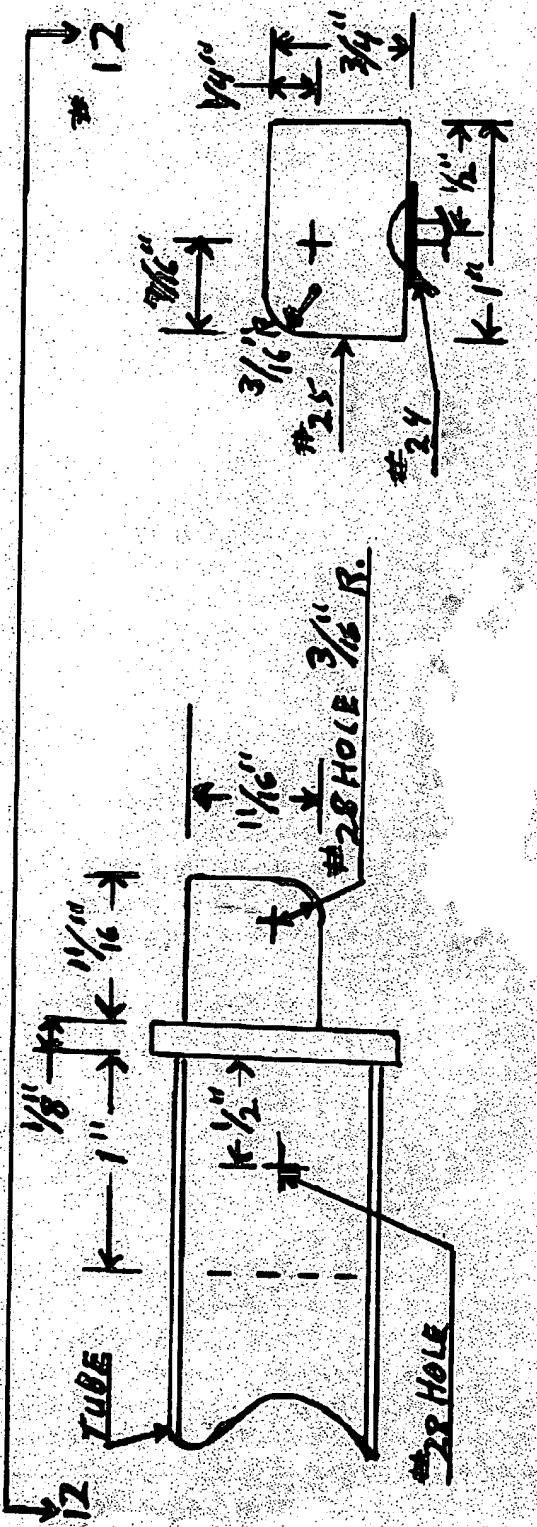


Drawing # 118

255T Alumi "Diva"



FIGURE 12-12

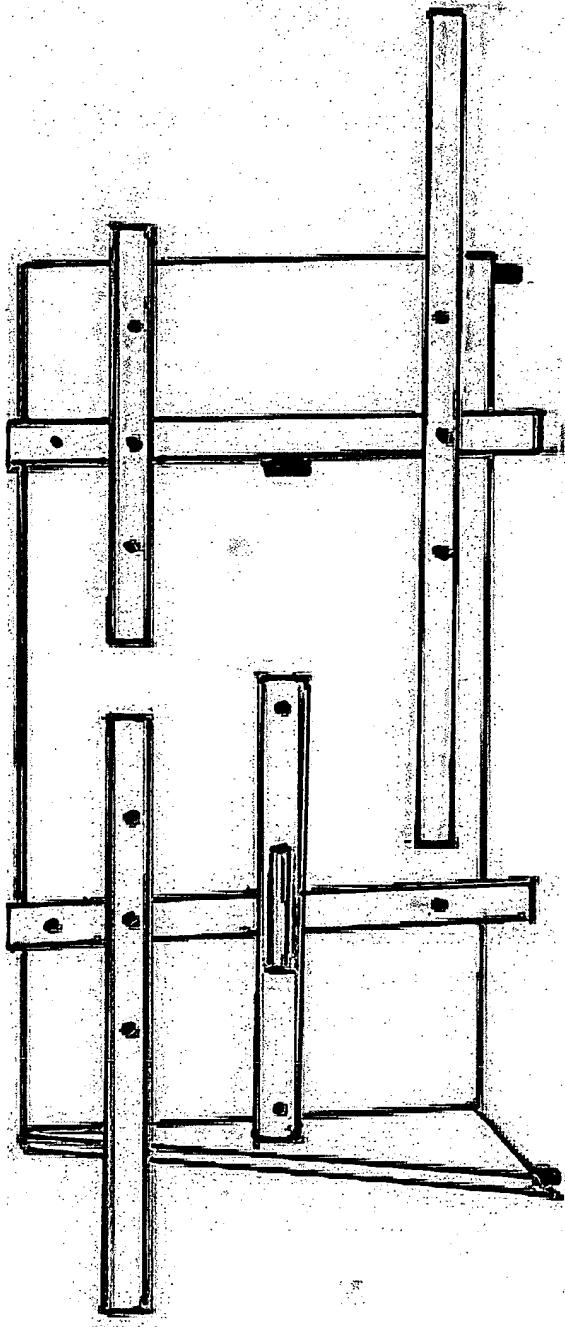


HINGE ON TOP OF LEG
 FIGURE # 11
 DRAWING # 119

Henry Rohrig

Truck Alignment System Tooling Jig to calibrate alignment unit part # 865

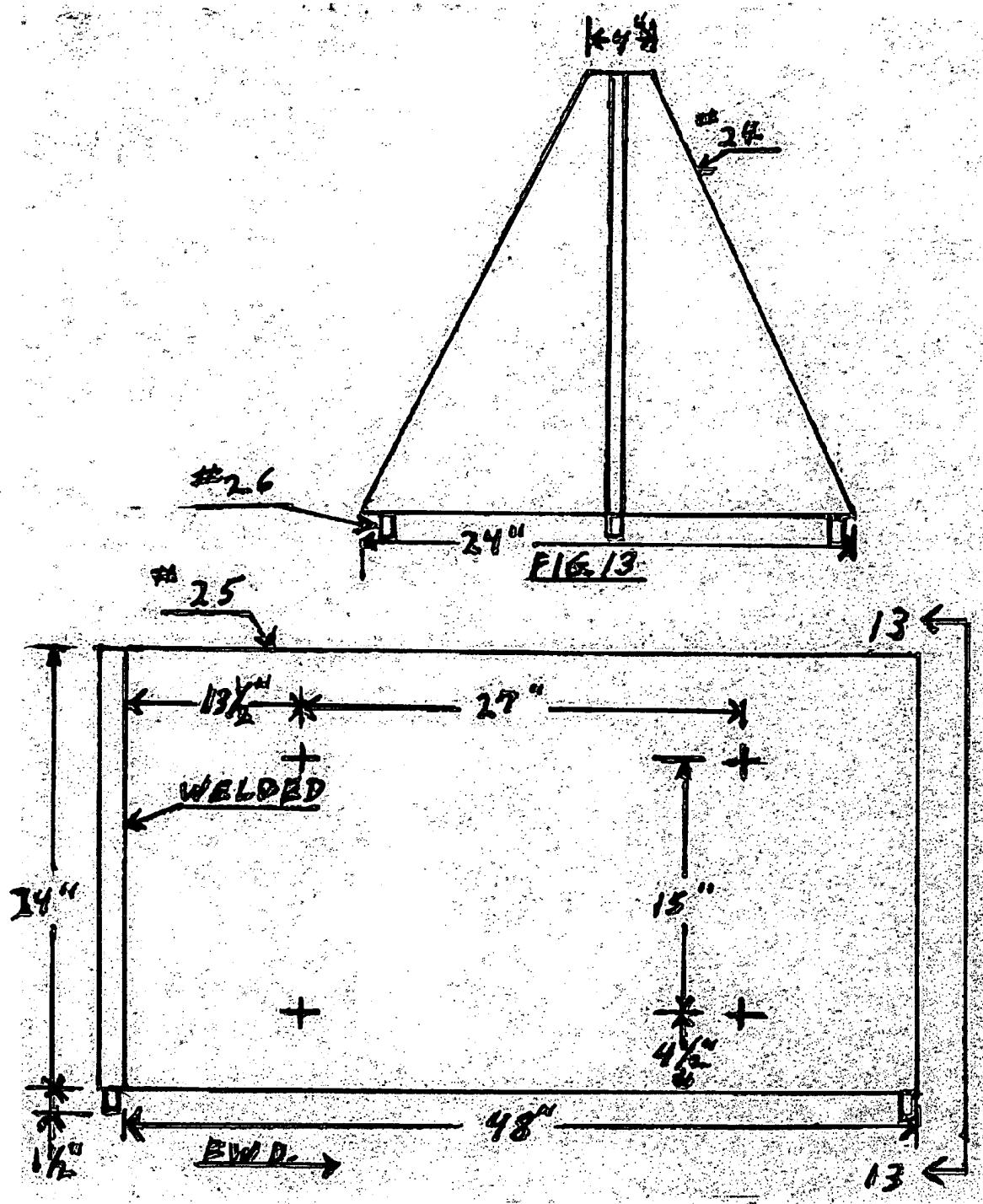
Sheet # 12 of # 14



TOOLING JIG TO CALIBRATE ALIGNMENT UNITS
UNITS INSTALLED Details see drawing # 121

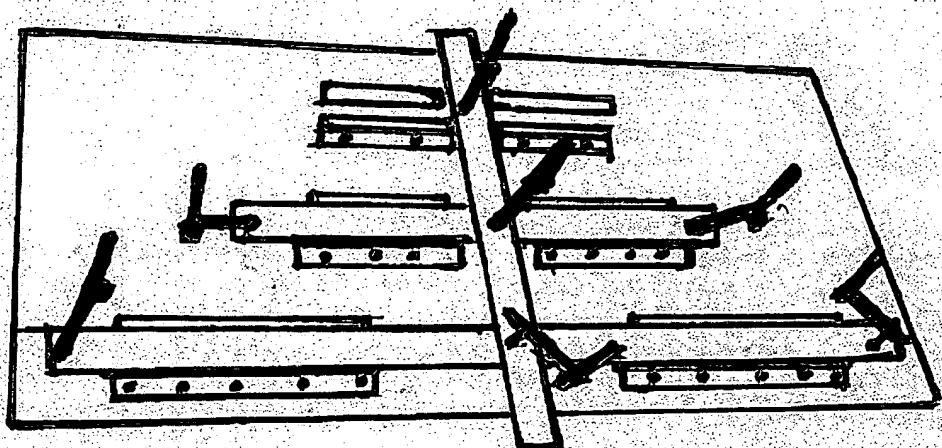
Drawing # 120

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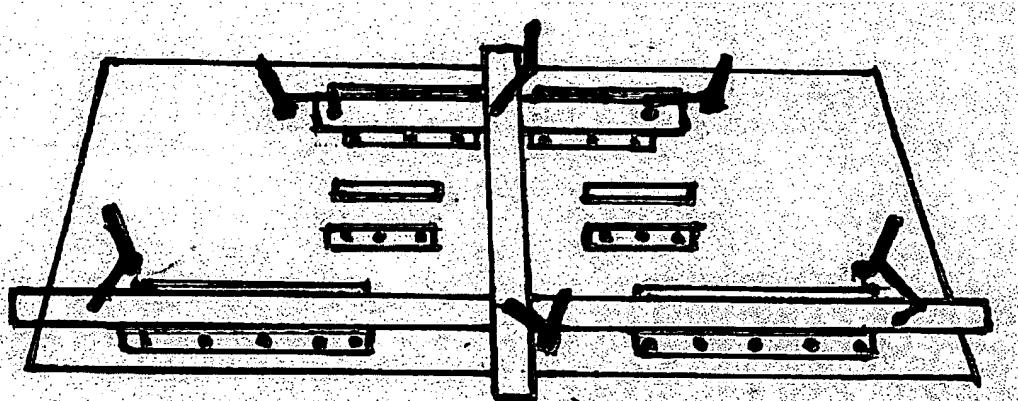


Drawing # 121 Part # 865
TOOLING FOR DRIVE AND STEERING AXLE

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Drawing # 122 DRIVE AXLE UNIT "set up"
Jig for Manufacturing Units Part # 866



Drawing # 123 STEERING AXLE UNIT "set up"
Jig for Manufacturing Units Part # 866
Same jig using different location for parts